

Paul Bourhis

Azure DevOps - Python Developer
5 years of experience

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Certifications

Linux Foundation Certified Kubernetes Administrators

Microsoft Az-400 : DevOps Engineer Expert
Az-104 : Azure Administrator Associate
Az-900 : Azure Fundamentals

Hashicorp Terraform Associate (003)

Skills

DevOps

Cloud : Azure, AWS
Versioning : Git, Perforce
Administration : Ansible, Terraform

Container : Docker, Kubernetes
CI/CD : Jenkins, Az pipelines
Monitoring : Logstash, Elasticsearch, Grafana, Prometheus

Programming

Language : Python, C/C++, Bash, Groovy
Other : UI design with the Qt framework

Data science : Data analysis with pandas
OS : Linux (Red Hat, Ubuntu), Windows

Languages

English : Fluent and professional (TOEIC : 915)

Spanish : Level C1

Relevant experience

03/2021 - 09/2023



DevOps - Python Developer (2.8 years), MUREX, PARIS

Devops and Python developer for a microservice application hosting a C++ solution.

- Design a distributed multiprocessing Python architecture
- Configuring thirdparty dependencies (Python & C++) via a private Nexus and CMake
- Containerization of the microservice application
- Development of unit/integration/functional and performance tests
- Setting up of continuous integration and deployment pipelines
- Implementation of a stack of monitoring for services and our servers
- Administration of Linux remote servers (cloud and on premise)

09/2019 - 02/2022



Embedded Software Engineer (2 years), THALES SIX GTS, PARIS

C++ Development of software components for SCORPIONS vehicles.

- Implementation of data exchange between the vehicle and its equipment (C++)
- Migration of the build chain to CMake
- Development of unit and functional tests (Jenkins and python)
- Building of a custom test platform, and setting it up with Cmake and VsCode

Development of a GUI intended to pilot CONTACT radio products.

- Development of the GUI in Python with Qt tools
- Implementation of an SNMP client-server

04/2018



Internship Assistant Engineer (3 month), UNIVERSITAT POLITÈCNICA DE VALÈNCIA

C Development of a robotic arm based on a STM32.

- Implementation of incremental encoders between the motors and the STM32 board
- Management of sending and receiving data via UART link
- Acquisition and processing data by a python algorithm

05/2017

Worker internship (2 months), EDISON ELECTRONICS, BADALONA (SPAIN)

As a worker in a PCB manufacturing company, I helped in the design and production of electronic cards.

Education

2016 - 2019



Graduate School in Advanced Electronics and its Applications, ENSEA, FRANCE

- Major : Embedded Systems
- Options : Computer science, Automation and Internet of things

2013 - 2016

Preparatory class PTSE-PT, Lycée A.R-LESSAGE, FRANCE

Three-year intensive course preparing for the competitive entrance examinations to French top-level "Grandes Écoles".

Main subjects : Physics, Mathematics and Computer-science